

The results of Table 1 show that the primer design system of the present invention can be used to design about 5000 sets of primers per day through parallel and distributed computers, which means about 150,000 primers could be sufficiently prepared a year.

**IN THE CLAIMS:**

Please substitute claims 35-36 with the following amended claims:

35. A primer design system according to claim 34, wherein the means for evaluating specificity evaluates each designed primer by conducting homology searches for a full sequence of the primer via at least one repeat database and at least one genome database.
36. A primer design system according to claim 34, wherein the means for evaluating specificity evaluates each designed primer by conducting a homology search for any undesirable sequence contained therein.